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Bureau of Markets
FOOD SURVEYS
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ANNOUNCEMENT.—*In accordance with the provisions contained in Section 2 of an Act of Congress (Public No. 40, 65th Congress) approved August 10, 1917, the Chief of the Bureau of Markets of the United States Department of Agriculture has been authorized and instructed, as an agent of the Secretary of Agriculture, to take such steps as may be necessary to obtain authoritative information regarding the matters authorized to be investigated under that section.*

The Food Surveys Project has been established pursuant to Sections 2 and 8, of the Act, to obtain such information concerning food and food materials as may seem necessary or desirable for the guidance of governmental agencies and the public in making plans for increasing production, for promoting efficient distribution, and for directing conservation and utilization.

The results of the surveys made under this Project will be published monthly in "Food Surveys," which will be mailed from Washington, D. C., between the fifteenth and twentieth of each month. Special numbers of "Food Surveys" will be issued from time to time as occasion may require. A copy may be obtained on application to "Food Surveys," Bureau of Markets, Room 229, Homer Building, Washington, D. C.

CHARLES J. BRAND, *Chief, Bureau of Markets.*
C. W. THOMPSON, *In Charge, Food Surveys Project.*

COMMERCIAL STOCKS OF CURED MEATS AND FISH ON JULY 1, 1918

NOT INCLUDING RETAIL STOCKS.

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The commodities for which information is here presented include salted and cured beef; cured hams, bacon, and shoulders; other salted and cured pork; dried fish; and fish in brine.

The total quantities of these commodities on hand and in transit, as reported by packers, storage houses, wholesale dealers, and a small group of miscellaneous concerns, were as follows: Salted and cured beef, 66,414,754 pounds; cured hams, bacon, and shoulders, 516,803,277 pounds; salted and cured pork, other than hams, bacon, and shoulders, 305,078,135 pounds; dried fish, 31,998,434 pounds; fish in brine. 52,873,432 pounds. The figures for goods in transit were obtained under the following instructions: "Report as in transit the total quantity which you have recently shipped and which you believe has not been delivered to the purchaser or consignee." The quantities of these commodities thus reported as in transit were: Salted and cured beef, 3,090,468 pounds; hams, bacon, and shoulders, 19,801,170 pounds; salted and cured pork, other than hams, bacon, and shoulders. 7,194,141 pounds; dried fish, 402,693 pounds; fish in brine, 925,198 pounds.

Reports covering the retail stocks of these commodities for July 1, 1918, are in process of tabulation and will be published later. Some idea of the relative importance of the retail stocks may be obtained, however, from the Survey of January 1, 1918, in which it was found that the stocks in the hands of the retail dealers amounted to the following percentages of the total commercial stocks of the commodities considered: Salted and cured beef, 14.6 per cent; cured hams, bacon, and shoulders, 6.3 per cent; salted and cured pork, other than hams, bacon, and shoulders, 5.7 per cent; dried fish, 10.6 per cent; fish in brine, 19.9 per cent

The stocks of each of these commodities reported for the date of the Survey were considerably larger than those held by the same firms on July 1, 1917. The percentages of increase are as follows: Salted and cured beef, 9.4 per cent; cured hams, bacon, and shoulders, 8.2 per cent; salted and cured pork, other than hams, bacon and shoulders, 50.2 per cent; dried fish, 17.1 per cent; fish in brine, 31.4 per cent.

Table 1.—Summary of United States totals—Commercial stocks of cured meats and fish, not including retail stocks.

Commodity.	Total stocks reported as on hand July 1, 1918.	Comparative figures—from firms reporting for both 1918 and 1917.			Quantity reported as in transit on July 1, 1918.
		1918 stocks.		1917 stocks.	
		Quantity	Per cent of 1917.		
	Pounds.	*Pounds.*		*Pounds.*	*Pounds.*
Salted and cured beef	63,324,286	58,850,779	109.4	53,808,914	3,090,468
Hams, bacon, and shoulders	497,002,107	455,643,394	108.2	421,006,579	19,801,170
Salted and cured pork, other than hams, bacon, and shoulders	297,883,994	288,234,470	150.2	191,883,689	7,194,141
Dried fish	31,595,741	27,666,746	117.1	23,635,204	402,693
Fish in brine	51,948,234	42,845,491	131.4	32,617,119	925,198

COMMERCIAL STOCKS OF SALTED AND CURED BEEF

NOT INCLUDING RETAIL STOCKS.

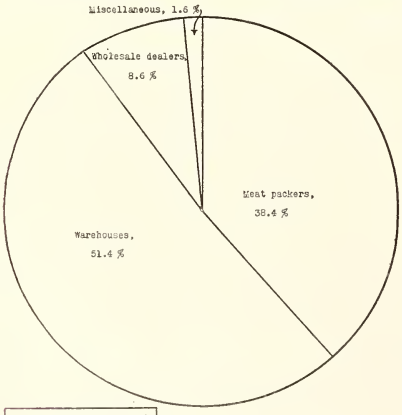
The stocks of salted and cured beef (including pickled, corned, dried, etc.), together with the quantities in transit, as reported in the Food Survey of July 1, 1918, by commercial concerns other than retail dealers, amounted to 66,414,754 pounds. Of this quantity, 63,324,286 pounds were reported as on hand and 3,090,468 pounds as in transit. Of the stocks on hand, the meat packers held 38.4 per cent; the warehouses, 51.4 per cent; the wholesale dealers, 8.6 per cent; and a miscellaneous group of firms, 1.6 per cent. The stocks reported as on hand by each of these classes of business are given in the first column of Table 2, and the quantities reported as in transit in the last column. The relative stocks of salted and cured beef held by the several classes of concerns are shown in graphic form in Diagram 1.

The number of schedules received and tabulated for salted and cured beef is shown in Table 3.

Table 2.—Stocks of salted and cured beef reported for July 1, 1918, by packers, storage houses, and wholesale dealers, with comparative figures for July 1, 1917—United States totals.

Class of business.	Total stocks reported as on hand July 1, 1918.	Comparative figures—from firms reporting for both 1918 and 1917.			Quantity reported as in transit on July 1, 1918.
		1918 stocks.		1917 stocks.	
		Quantity.	Per cent of 1917.		
	Pounds.	*Pounds.*		*Pounds.*	*Pounds.*
Total	**63,324,286**	**58,850,779**	**109.4**	**53,808,914**	**3,090,468**
Meat packers	24,332,750	24,002,126	67.2	35,716,724	892,902
Warehouses	32,537,543	30,783,790	219.8	14,003,512	2,095,000
Wholesale dealers	5,458,840	3,114,310	101.6	3,063,860	92,645
Meat and provision jobbers	*4,157,385*	*2,011,478*	*98.7*	*2,038,775*	*77,858*
Other wholesale dealers	*1,301,455*	*1,102,832*	*107.6*	*1,025,085*	*14,787*
Miscellaneous	995,153	950,553	92.8	1,024,818	9,921

DIAGRAM 1.—DISTRIBUTION OF TOTAL STOCKS OF SALTED AND CURED BEEF REPORTED FOR JULY 1, 1918, BY PACKERS, STORAGE HOUSES, AND WHOLESALE DEALERS.



STOCKS REPORTED (Pounds)	
TOTAL	63,324,286
Meat packers	24,332,750
Warehouses	32,537,543
Wholesale dealers	5,458,840
Miscellaneous	995,153

Table 3.—Number of firms (packers, storage houses, and wholesale dealers) reporting salted and cured beef.

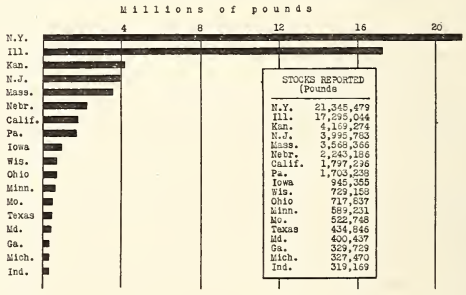
Class of business.	Total number of firms reporting.	Firms reporting for both 1918 and 1917.
Total	**2,569**	**2,110**
Meat packers	894	810
Warehouses	51	37
Wholesale dealers	1,464	1,158
Meat and provision jobbers	*470*	*384*
Other wholesale dealers	*994*	*774*
Miscellaneous	160	105

Geographic Distribution of Stocks Reported.

The geographic distribution of the stocks of salted and cured beef reported by the classes of concerns here considered is shown in Table 4. These figures indicate that the states of the Middle Atlantic division held almost exactly three-sevenths of the total stocks reported, while the East North Central division, which ranked second, held more than two-sevenths of the total. The West North Central division ranked third, and the New England division fourth. Among the states, New York ranked first, with 21,345,479 pounds, or more than one-third of the holdings reported for the entire country. Illinois ranked second, Kansas third, New Jersey fourth, Massachusetts fifth, and Nebraska sixth. The table further shows that the stocks reported from New York, New Jersey, and Massachusetts were very largely held in the warehouses, while the stocks reported from Kansas and Nebraska were practically all held by the meat packers, and those of Illinois were somewhat evenly divided between the meat packers and the warehouses, the former holding over 7,000,000 pounds and the latter nearly 10,000,000. The stocks of salted and cured beef reported for the eighteen most important states are shown graphically in Diagram 2.

The quantities reported as in transit are given by geographic divisions and states in the last column of Table 4.

DIAGRAM 2.—STOCKS OF SALTED AND CURED BEEF REPORTED BY PACKERS, STORAGE HOUSES, AND WHOLESALE DEALERS FOR THE EIGHTEEN MOST IMPORTANT STATES.



Comparative Figures for 1918 and 1917.

More than nine-tenths of the returns, based on the quantity reported, gave information for July 1, 1917, as well as for July 1, 1918. Comparative figures based on these two-year reports are given by classes of business in Table 2, and by geographic divisions and states in Table 5. These figures indicate that while the stocks reported by the meat packers for the date of the Survey were only about two-thirds of those held one year earlier, the stocks reported by the warehouses were more than double those held on the earlier date, and the total stocks reported for the date of the Survey were 9.4 per cent larger than those held by the same firms on July 1, 1917. The relative holdings on the two dates are shown in graphic form in Diagram 3, for each class of firms except the miscellaneous group.

Table 4.—Stocks of salted and cured beef reported for July 1, 1918, by packers, storage houses, and wholesale dealers, by geographic divisions and states.

Geographic division and state.	Stocks reported as on hand July 1, 1918.							Quantity reported as in transit on July 1, 1918.
	Total.	Meat packers.	Warehouses.	Wholesale dealers.			Miscellaneous.	
				Total.	Meat and provision jobbers.	Other wholesale dealers.		
	Pounds.	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*
United States	**63,324,286**	**24,332,750**	**32,537,543**	**5,458,840**	**4,157,385**	**1,301,455**	**995,153**	**3,090,468**
GEOGRAPHIC DIVISIONS:								
New England	4,050,151	1,186,479	1,824,126	942,487	685,383	257,104	97,059	56,012
Middle Atlantic	27,044,500	3,805,801	19,597,113	3,109,990	2,736,428	373,562	531,596	42,365
East North Central	19,388,678	8,529,522	9,945,417	614,438	395,494	218,944	299,301	2,565,008
West North Central	8,527,343	7,848,893	482,961	167,613	100,408	67,205	27,876	391,073
South Atlantic	1,176,883	787,820	71,530	303,333	106,767	196,566	14,200	20,767
East South Central	147,668	71,253	----------	76,315	33,225	43,090	100	550
West South Central	531,371	413,080	38,888	79,333	1,845	77,488	70	4,453
Mountain	337,746	271,166	575	65,692	35,328	30,364	313	3,565
Pacific	2,119,946	1,418,736	576,933	99,639	62,507	37,132	24,638	6,666
NEW ENGLAND:								
Maine	60,752	25,854	----------	26,825	8,880	17,945	8,073	1,242
New Hampshire	57,884	30,014	----------	14,720	9,956	4,764	13,150	----------
Vermont	13,613	8,736	----------	4,877	1,200	3,677	----------	100
Massachusetts	3,568,366	951,357	1,779,474	772,268	625,894	146,374	65,267	45,875
Rhode Island	153,845	56,087	44,652	47,751	26,446	21,305	5,355	4,115
Connecticut	195,691	114,431	----------	76,046	13,007	63,039	5,214	4,680
MIDDLE ATLANTIC:								
New York	21,345,479	1,623,332	16,549,210	2,816,549	2,565,361	251,188	356,388	12,213
New Jersey	3,995,783	1,002,494	2,777,659	42,860	20,959	21,901	172,770	5,773
Pennsylvania	1,703,238	1,179,975	270,244	250,581	150,108	100,473	2,438	24,379
EAST NORTH CENTRAL:								
Ohio	717,837	508,352	9,145	184,608	101,749	82,859	15,732	5,470
Indiana	319,169	252,965	54,640	11,394	3,601	7,793	170	17,102
Illinois	17,295,044	7,050,893	9,880,382	296,647	258,574	38,073	67,122	2,541,473
Michigan	327,470	240,392	1,250	75,151	12,780	62,371	10,677	904
Wisconsin	729,158	476,920	----------	46,638	18,790	27,848	205,600	59
WEST NORTH CENTRAL:								
Minnesota	589,231	538,434	3,699	47,098	32,496	14,602	----------	11,359
Iowa	945,355	727,076	140,447	76,801	52,018	24,783	1,031	41,102
Missouri	522,748	492,531	12,966	17,086	8,924	8,162	165	27,200
North Dakota	9,924	1,881	----------	8,043	1,726	6,317	----------	787
South Dakota	47,625	46,857	----------	768	68	700	----------	900
Nebraska	2,243,186	1,908,684	325,849	8,629	4,644	3,985	24	45,591
Kansas	4,169,274	4,133,430	----------	9,188	532	8,656	26,656	264,134
SOUTH ATLANTIC:								
Delaware	15,542	10,406	----------	4,836	3,600	1,236	300	----------
Maryland	400,437	242,809	56,920	100,708	60,542	40,166	----------	13,317
District of Columbia	58,732	35,709	14,000	9,023	8,139	884	----------	----------
Virginia	175,822	112,137	----------	63,430	17,830	45,600	255	198
West Virginia	49,019	12,443	----------	36,576	9,220	27,356	----------	1,796
North Carolina	43,844	20,860	200	22,784	4,400	18,384	----------	186
South Carolina	16,347	9,074	----------	7,273	1,036	6,237	----------	----------
Georgia	329,729	286,148	10	29,982	2,000	27,982	13,589	4,350
Florida	87,411	58,234	400	28,721	----------	28,721	56	920
EAST SOUTH CENTRAL:								
Kentucky	47,471	20,256	----------	27,205	22,233	4,972	10	290
Tennessee	42,465	18,245	----------	24,180	10,192	13,988	40	74
Alabama	40,568	29,965	----------	10,553	200	10,353	50	----------
Mississippi	17,164	2,787	----------	14,377	600	13,777	----------	195
WEST SOUTH CENTRAL:								
Arkansas	18,962	6,491	----------	12,468	400	12,068	3	96
Louisiana	73,621	20,477	----------	53,079	1,170	51,909	65	268
Oklahoma	3,942	872	----------	3,068	----------	3,068	2	27
Texas	434,846	385,240	38,888	10,718	275	10,443	----------	4,062
MOUNTAIN:								
Montana	14,021	9,446	----------	4,477	939	3,538	98	1,100
Idaho	14,280	7,911	575	5,794	4,039	1,755	----------	150
Wyoming	1,029	100	----------	869	----------	869	60	----------
Colorado	127,748	100,525	----------	27,188	21,704	5,484	35	361
New Mexico	4,992	----------	----------	4,992	----------	4,992	----------	54
Arizona	11,295	2,229	----------	8,966	6,746	2,220	100	----------
Utah	130,674	118,744	----------	11,910	1,900	10,010	20	1,900
Nevada	33,707	32,211	----------	1,496	----------	1,496	----------	----------
PACIFIC:								
Washington	196,266	159,507	9,765	26,951	20,114	6,837	43	646
Oregon	126,384	118,382	----------	7,900	4,914	2,986	102	2,000
California	1,797,296	1,140,847	567,168	64,788	37,479	27,309	24,493	4,020

DIAGRAM 3.—STOCKS OF SALTED AND CURED BEEF REPORTED FOR JULY 1, 1918, AND JULY 1, 1917, BY IMPORTANT CLASSES OF BUSINESS.

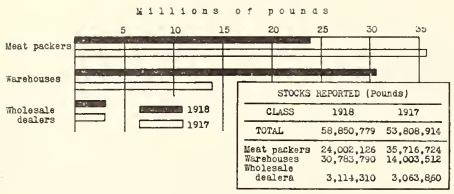


Table 5.—Comparative figures for salted and cured beef—combined stocks of packers, storage houses, and wholesale dealers, by geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	Stocks reported for July 1, 1918.	Stocks reported for July 1, 1917.
	Pounds.	*Pounds.*
United States	**58,850,779**	**53,808,914**
GEOGRAPHIC DIVISIONS:		
New England	3,024,533	2,610,180
Middle Atlantic	24,704,377	10,510,753
East North Central	18,640,797	25,618,587
West North Central	8,433,775	11,574,252
South Atlantic	1,099,935	811,571
East South Central	106,079	193,781
West South Central	482,313	713,064
Mountain	310,423	246,859
Pacific	2,048,547	1,529,867
NEW ENGLAND:		
Maine	54,287	48,727
New Hampshire	54,883	67,913
Vermont	12,413	9,671
Massachusetts	2,605,912	2,095,708
Rhode Island	105,651	195,463
Connecticut	191,387	192,698
MIDDLE ATLANTIC:		
New York	19,178,046	4,206,921
New Jersey	3,977,892	4,124,913
Pennsylvania	1,548,439	2,178,919
EAST NORTH CENTRAL:		
Ohio	620,961	512,672
Indiana	259,315	564,222
Illinois	16,722,875	23,385,670
Michigan	319,035	539,833
Wisconsin	718,611	616,190
WEST NORTH CENTRAL:		
Minnesota	575,371	701,176
Iowa	885,638	1,323,958
Missouri	516,245	448,069
North Dakota	9,774	15,470
South Dakota	47,625	153,329
Nebraska	2,238,846	1,637,559
Kansas	4,160,276	7,294,691
SOUTH ATLANTIC:		
Delaware	14,208	17,376
Maryland	388,213	357,343
District of Columbia	57,545	32,535
Virginia	156,983	119,191
West Virginia	38,228	48,685
North Carolina	34,750	25,579
South Carolina	11,916	8,924
Georgia	322,391	147,195
Florida	75,701	54,743
EAST SOUTH CENTRAL:		
Kentucky	22,826	37,213
Tennessee	31,581	19,904
Alabama	39,960	123,036
Mississippi	11,712	13,628
WEST SOUTH CENTRAL:		
Arkansas	14,544	13,373
Louisiana	71,333	41,831
Oklahoma	3,845	3,135
Texas	392,591	654,725
MOUNTAIN:		
Montana	13,637	10,445
Idaho	14,045	7,092
Wyoming	550	625
Colorado	108,996	76,031
New Mexico	2,062	3,436
Arizona	9,712	9,814
Utah	128,754	115,658
Nevada	33,567	23,758
PACIFIC:		
Washington	183,223	142,103
Oregon	108,010	44,877
California	1,757,314	1,342,887

COMMERCIAL STOCKS OF CURED HAMS, BACON, AND SHOULDERS

NOT INCLUDING RETAIL STOCKS.

The commercial stocks of cured hams, bacon, and shoulders (sweet-pickled, dry-salted, and smoked), together with the quantities in transit, as reported in the Food Survey of July 1, 1918, by classes of business other than retail dealers, amounted to 516,803,277 pounds. Of this amount, 497,002,107 pounds were reported as on hand and 19,801,170 pounds as in transit. Of the stocks on hand on the date of the Survey, the meat packers held 87.0 per cent; the cold storages, 9.5 per cent; the wholesale dealers, 3.3 per cent; and a miscellaneous group of firms, 0.2 per cent. The stocks reported by these classes of business concerns are given in the first column of Table 6, and the quantities in transit in the last column. The relative holdings of the several classes of firms are shown graphically in Diagram 4.

The number of reports received and tabulated for cured hams, bacon, and shoulders is shown, by classes of business, in Table 8.

Table 6.—Stocks of cured hams, bacon, and shoulders reported for July 1, 1918, by packers, storage houses, and wholesale dealers, with comparative figures for July 1, 1917—United States totals.

CLASS OF BUSINESS.	Total stocks reported as on hand July 1, 1918.	COMPARATIVE FIGURES—FROM FIRMS REPORTING FOR BOTH 1918 AND 1917.			Quantity reported as in transit on July 1, 1918.
		1918 stocks.		1917 stocks.	
		Quantity.	Per cent of 1917.		
	Pounds.	*Pounds.*		*Pounds.*	*Pounds.*
Total	**497,002,107**	**455,643,394**	**108.2**	**421,006,579**	**19,801,170**
Meat packers	431,973,136	416,963,748	106.8	390,323,059	19,378,092
Cold storages	47,283,226	23,590,244	130.7	18,050,601	41,000
Wholesale dealers	16,624,347	13,985,649	116.3	12,028,128	380,201
Meat and provision jobbers	*10,286,247*	*7,936,846*	*101.4*	*7,829,387*	*291,915*
Wholesale grocers	*5,334,845*	*5,109,666*	*146.3*	*3,491,699*	*67,980*
Other wholesale dealers	*1,003,255*	*939,137*	*132.8*	*707,042*	*20,306*
Miscellaneous	1,121,398	1,103,753	182.5	604,791	1,877

DIAGRAM 4.—DISTRIBUTION OF TOTAL STOCKS OF CURED HAMS, BACON, AND SHOULDERS REPORTED FOR JULY 1, 1918, BY PACKERS, STORAGE HOUSES, AND WHOLESALE DEALERS.

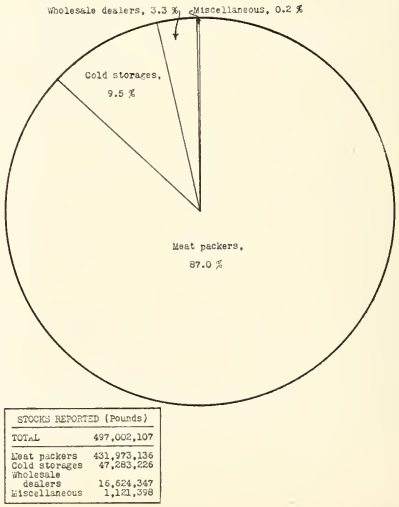


Table 7.—Stocks of cured hams, bacon, and shoulders reported for July 1, 1918, by packers, storage houses, and wholesale dealers, by geographic divisions and states.

Geographic division and state.	Stocks reported as on hand July 1, 1918.								Quantity reported as in transit on July 1, 1918.
	Total.	Meat packers.	Cold storages.	Wholesale dealers.				Miscellaneous.	
				Total.	Meat and provision jobbers.	Wholesale grocers.	Other wholesale dealers.		
	Pounds.	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*
United States	**497,002,107**	**431,973,136**	**47,283,226**	**16,624,347**	**10,286,247**	**5,334,845**	**1,003,255**	**1,121,398**	**19,801,170**
Geographic divisions:									
New England	31,470,320	24,296,117	5,179,350	1,965,967	1,485,510	55,996	424,461	28,886	173,921
Middle Atlantic	66,314,197	34,913,455	27,205,368	3,819,577	3,463,305	295,968	60,304	375,797	348,018
East North Central	167,628,552	153,811,631	7,670,805	6,034,188	2,532,153	3,474,322	27,713	111,928	9,257,687
West North Central	186,487,281	182,205,772	3,242,126	515,266	246,910	34,024	234,332	524,117	8,868,298
South Atlantic	13,590,552	10,273,720	885,081	2,384,443	1,727,839	508,008	148,596	47,308	483,698
East South Central	3,962,681	3,564,366	----------	393,936	46,203	291,242	56,491	4,379	80,906
West South Central	10,432,229	8,767,024	878,133	777,799	211,644	538,494	27,661	9,273	315,003
Mountain	8,725,262	6,816,968	1,458,682	448,005	325,625	115,892	6,488	1,607	174,632
Pacific	8,391,033	7,324,083	763,681	285,166	247,058	20,899	17,209	18,103	99,007
New England:									
Maine	685,501	280,013	360,643	34,664	26,107	8,507	50	10,181	30,456
New Hampshire	42,385	17,973	----------	24,412	22,446	350	1,616	----------	2,153
Vermont	11,624	5,371	----------	6,253	3,253	3,000	----------	----------	491
Massachusetts	27,284,249	21,012,276	4,811,827	1,442,891	1,034,514	29,108	379,269	17,255	56,611
Rhode Island	942,574	514,691	6,880	421,003	375,621	8,513	36,869	----------	65,000
Connecticut	2,503,987	2,465,793	----------	36,744	23,569	6,518	6,657	1,450	19,210
Middle Atlantic:									
New York	41,510,050	12,443,633	25,630,341	3,068,584	2,793,137	251,242	24,205	367,492	175,685
New Jersey	8,619,640	8,074,552	398,796	140,318	125,759	5,752	8,807	5,974	13,905
Pennsylvania	16,184,507	14,395,270	1,176,231	610,675	544,409	38,974	27,292	2,331	158,428
East North Central:									
Ohio	18,765,468	18,090,548	35,231	638,793	305,942	330,801	2,050	896	868,425
Indiana	18,831,672	17,926,207	767,141	136,818	102,142	27,658	7,018	1,506	4,425,988
Illinois	103,160,290	94,684,147	6,493,807	1,946,153	1,912,672	30,322	3,159	36,183	3,436,653
Michigan	14,055,921	13,598,155	359,200	90,055	68,326	15,811	5,918	8,511	82,342
Wisconsin	12,815,201	9,512,574	15,426	3,222,369	143,071	3,069,730	9,568	64,832	444,279
West North Central:									
Minnesota	8,428,267	5,817,203	2,547,688	63,098	45,481	10,718	6,899	278	886,075
Iowa	35,002,996	34,418,030	19,836	44,097	36,761	7,064	272	521,033	699,583
Missouri	33,447,993	32,665,250	671,362	110,486	97,009	12,977	500	895	2,122,017
North Dakota	48,688	29,550	----------	19,138	18,738	400	----------	----------	7,496
South Dakota	1,999,754	1,998,564	----------	1,190	1,190	----------	----------	----------	83,120
Nebraska	65,533,896	65,501,205	3,240	29,351	28,027	324	1,000	100	2,470,449
Kansas	42,025,687	41,775,970	----------	247,906	19,704	2,541	225,661	1,811	2,599,558
South Atlantic:									
Delaware	175,193	174,503	----------	190	90	100	----------	500	----------
Maryland	3,903,569	3,122,000	106,085	632,749	611,205	19,529	2,015	42,735	254,163
District of Columbia	734,645	486,573	201,000	46,751	41,331	5,002	418	321	269
Virginia	1,706,555	832,322	15,050	857,571	781,739	62,458	13,374	1,612	16,858
West Virginia	2,407,413	2,249,336	2,400	155,677	59,964	93,300	2,413	----------	25,689
North Carolina	461,977	310,655	7,994	142,528	48,210	85,624	8,694	800	34,593
South Carolina	111,102	51,714	----------	59,288	4,290	49,576	5,422	100	44,823
Georgia	2,423,184	1,573,876	490,782	357,776	178,639	138,422	40,715	750	42,095
Florida	1,666,914	1,472,741	61,770	131,913	2,371	53,997	75,545	490	65,208
East South Central:									
Kentucky	2,055,201	1,901,854	----------	152,305	7,731	136,133	8,441	1,042	17,366
Tennessee	955,851	818,615	----------	134,171	14,716	94,634	24,821	3,065	40,770
Alabama	524,937	461,572	----------	63,093	9,756	30,807	22,530	272	11,345
Mississippi	426,692	382,325	----------	44,367	14,000	29,668	699	----------	11,425
West South Central:									
Arkansas	253,471	98,967	----------	154,429	119,501	34,928	----------	75	8,441
Louisiana	1,713,343	497,698	847,349	361,555	40,259	317,097	4,199	6,741	43,828
Oklahoma	2,531,224	2,525,127	----------	5,897	2,430	3,467	----------	200	6,493
Texas	5,934,191	5,645,232	30,784	255,918	49,454	183,002	23,462	2,257	256,241
Mountain:									
Montana	436,654	397,216	850	37,442	11,211	26,111	120	1,146	19,625
Idaho	356,841	198,794	3,630	154,417	151,519	2,848	50	----------	6,399
Wyoming	73,720	68,712	----------	4,783	1,000	3,783	----------	225	----------
Colorado	6,789,911	5,215,340	1,442,180	132,205	130,715	1,290	200	186	116,114
New Mexico	37,521	1,218	1,540	34,763	10,250	24,073	440	----------	728
Arizona	137,190	81,025	611	55,504	11,933	42,862	709	50	4,738
Utah	728,432	691,796	9,871	26,765	8,997	12,799	4,969	----------	7,028
Nevada	164,993	162,867	----------	2,126	----------	2,126	----------	----------	20,000
Pacific:									
Washington	1,602,756	1,370,409	113,502	117,638	105,348	1,579	10,711	1,207	15,854
Oregon	1,846,275	1,755,251	2,800	76,454	71,555	914	3,985	11,770	51,607
California	4,942,002	4,198,423	647,379	91,074	70,155	18,406	2,513	5,126	31,546

Table 8.—Number of firms (packers, storage houses, and wholesale dealers) reporting cured hams, bacon, and shoulders.

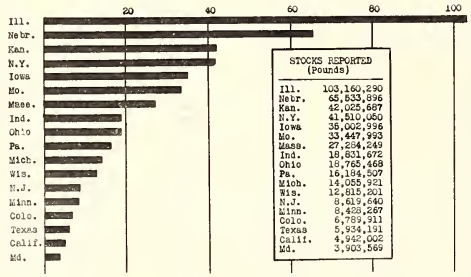
CLASS OF BUSINESS.	Total number of firms reporting.	Firms reporting for both 1918 and 1917.
Total	**3,802**	**3,195**
Meat packers	1,366	1,242
Cold storages	104	71
Wholesale dealers	2,103	1,713
Meat and provision jobbers	*636*	*533*
Wholesale grocers	*1,257*	*1,017*
Other wholesale dealers	*210*	*163*
Miscellaneous	229	169

Geographic Distribution of Stocks Reported.

The stocks of cured hams, bacon, and shoulders reported from each geographic division and state are given, by classes of concerns, in Table 7. The West North Central division ranked first, with 186,487,281 pounds, or 37.5 per cent of the total reported, while the East North Central division reported 167,628,552 pounds, or 33.7 per cent of the total for the country. The Middle Atlantic division ranked third, and the New England division fourth. Among the states, Illinois ranked first, with more than one-fifth of the total for the country, Nebraska second, Kansas third, and New York fourth. The holdings of hams, bacon, and shoulders reported for the eighteen most important states are represented in graphic form in Diagram 5.

The quantities reported as in transit are shown by geographic divisions and states in the last column of Table 7.

DIAGRAM 5.—STOCKS OF CURED HAMS, BACON, AND SHOULDERS REPORTED BY PACKERS, STORAGE HOUSES, AND WHOLESALE DEALERS FOR THE EIGHTEEN MOST IMPORTANT STATES.



Comparative Figures for 1918 and 1917.

More than nine-tenths of the returns, based on the quantity reported, gave information for July 1, 1917, as well as for July 1, 1918. Comparative figures based on these two-year reports are given by classes of firms in Table 6, and by geographic divisions and states in Table 9. The total stocks reported for the date of the Survey were 8.2 per cent larger than those held by the same firms one year earlier. The stocks reported by the meat packers, who held more than four-fifths of the total, showed an increase of 6.8 per cent. The other classes of business, excepting the meat and provision jobbers, showed considerably larger relative increases, though the total amount of the increase in the holdings of these classes was only about one-third of the absolute increase in the stocks of the meat packers. The relative stocks on the two dates are shown in graphic form, for each class of concerns except the miscellaneous group, in Diagram 6.

DIAGRAM 6.—STOCKS OF CURED HAMS, BACON, AND SHOULDERS REPORTED FOR JULY 1, 1918, AND JULY 1, 1917, BY IMPORTANT CLASSES OF BUSINESS.

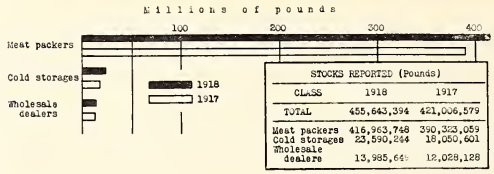


Table 9.—Comparative figures for cured hams, bacon, and shoulders—combined stocks of packers, storage houses, and wholesale dealers, by geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	Stocks reported for July 1, 1918.	Stocks reported for July 1, 1917.
	Pounds.	*Pounds.*
United States	**455,643,394**	**421,006,579**
GEOGRAPHIC DIVISIONS:		
New England	31,036,805	24,943,870
Middle Atlantic	41,437,138	34,422,386
East North Central	154,244,884	137,218,883
West North Central	186,330,519	181,751,188
South Atlantic	12,305,240	9,311,920
East South Central	3,417,802	3,599,393
West South Central	10,272,973	12,145,737
Mountain	8,570,595	9,990,192
Pacific	8,027,438	7,623,910
NEW ENGLAND:		
Maine	317,588	365,584
New Hampshire	42,385	49,909
Vermont	10,357	9,873
Massachusetts	27,253,120	21,374,572
Rhode Island	916,197	712,793
Connecticut	2,497,158	2,431,139
MIDDLE ATLANTIC:		
New York	17,243,983	14,082,264
New Jersey	8,439,075	4,722,115
Pennsylvania	15,754,080	15,618,007
EAST NORTH CENTRAL:		
Ohio	18,254,657	15,432,563
Indiana	17,575,103	16,409,152
Illinois	91,948,653	87,948,006
Michigan	13,661,481	10,487,237
Wisconsin	12,804,990	6,941,925
WEST NORTH CENTRAL:		
Minnesota	8,427,318	9,495,030
Iowa	34,976,757	32,750,145
Missouri	33,350,268	36,112,888
North Dakota	48,568	55,173
South Dakota	1,999,754	4,324,009
Nebraska	65,533,696	61,936,123
Kansas	41,994,158	37,077,820
SOUTH ATLANTIC:		
Delaware	171,460	162,553
Maryland	3,853,116	3,878,033
District of Columbia	673,561	331,176
Virginia	1,599,528	1,210,994
West Virginia	2,317,870	1,351,714
North Carolina	431,822	306,853
South Carolina	94,379	107,395
Georgia	1,839,724	1,063,509
Florida	1,323,780	898,793
EAST SOUTH CENTRAL:		
Kentucky	1,992,904	2,412,885
Tennessee	484,882	471,037
Alabama	518,424	423,040
Mississippi	421,592	292,431
WEST SOUTH CENTRAL:		
Arkansas	218,121	186,633
Louisiana	1,695,678	988,539
Oklahoma	2,509,668	3,690,302
Texas	5,849,506	7,280,263
MOUNTAIN:		
Montana	385,542	425,691
Idaho	352,238	444,149
Wyoming	71,634	76,950
Colorado	6,726,480	6,874,352
New Mexico	30,255	41,547
Arizona	132,927	143,179
Utah	711,528	1,685,035
Nevada	159,991	298,989
PACIFIC:		
Washington	1,547,001	1,420,552
Oregon	1,827,083	1,689,113
California	4,653,354	4,514,245

COMMERCIAL STOCKS OF SALTED AND CURED PORK, OTHER THAN HAMS, BACON, AND SHOULDERS

NOT INCLUDING RETAIL STOCKS.

The commercial stocks of salted and cured pork, other than hams, bacon, and shoulders, together with the quantities in transit, as reported in the Food Survey of July 1, 1918, by commercial concerns other than retail dealers, amounted to 305,078,135 pounds. Of this quantity, 297,883,994 pounds were in stock and 7,194,141 pounds in transit. Of the stocks on hand on the date of the Survey, the meat packers held 81.2 per cent; the warehouses, 11.3 per cent; the wholesale dealers, 7.3 per cent; and a miscellaneous group, 0.2 per cent. The stocks reported as on hand are shown, by classes of business, in the first column of Table 10, and the quantities reported as in transit in the last column. The relative stocks reported by the different classes of concerns are shown in graphic form in Diagram 7.

Table 11 shows the number of schedules received and tabulated for this commodity.

Table 10.—Stocks of salted and cured pork other than hams, bacon, and shoulders reported for July 1, 1918, by packers, storage houses, and wholesale dealers, with comparative figures for July 1, 1917—United States totals.

CLASS OF BUSINESS.	Total stocks reported as on hand July 1, 1918.	COMPARATIVE FIGURES—FROM FIRMS REPORTING FOR BOTH 1918 AND 1917.			Quantity reported as in transit on July 1, 1918.
		1918 stocks.		1917 stocks.	
		Quantity.	Per cent of 1917.		
	Pounds.	*Pounds.*		*Pounds.*	*Pounds.*
Total	**297,883,994**	**288,234,470**	**150.2**	**191,883,689**	**7,194,141**
Meat packers	242,074,651	239,013,767	152.5	156,751,417	6,513,742
Warehouses	33,567,546	27,454,882	140.7	19,517,993	450
Wholesale dealers	21,656,869	21,218,894	138.7	15,303,774	675,398
Meat and provision jobbers	*7,607,653*	*7,511,960*	*87.5*	*8,588,345*	*606,510*
Wholesale grocers	*13,388,583*	*13,107,101*	*207.3*	*6,324,246*	*42,997*
Other wholesale dealers	*660,633*	*599,833*	*153.3*	*391,183*	*25,891*
Miscellaneous	584,928	546,927	176.1	310,505	4,551
Canners	*363,708*	*347,988*	*254.6*	*136,664*	----------
Other miscellaneous	*221,220*	*198,939*	*114.4*	*173,841*	*4,551*

DIAGRAM 7.—DISTRIBUTION OF TOTAL STOCKS OF SALTED AND CURED PORK, OTHER THAN HAMS, BACON, AND SHOULDERS, REPORTED FOR JULY 1, 1918, BY PACKERS, STORAGE HOUSES, AND WHOLESALE DEALERS.

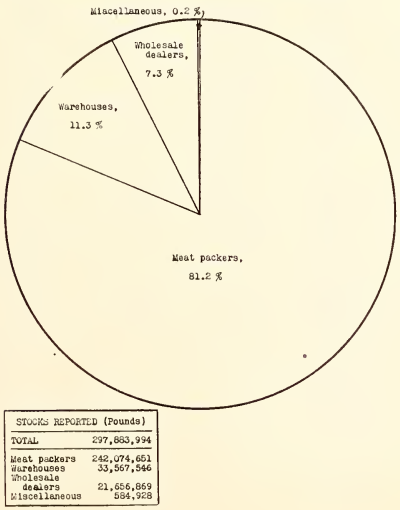


Table 11.—Number of firms (packers, storage houses, and wholesale dealers) reporting salted and cured pork, other than hams, bacon, and shoulders.

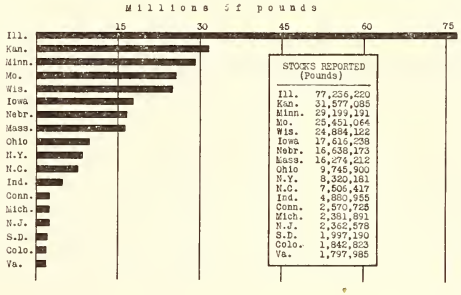
CLASS OF BUSINESS.	Total number of firms reporting.	Firms reporting for both 1918 and 1917.
Total	**2,471**	**2,088**
Meat packers	953	869
Warehouses	48	29
Wholesale dealers	1,301	1,078
Meat and provision jobbers	*427*	*368*
Wholesale grocers	*771*	*633*
Other wholesale dealers	*103*	*77*
Miscellaneous	169	112
Canners	*32*	*23*
Other miscellaneous	*137*	*89*

Geographic Distribution of Stocks Reported.

The stocks reported from each geographic division and state are given, by classes of business, in Table 12. The West North Central division ranked first among the geographic divisions in stocks reported, the East North Central division second, the New England division third, and the Middle Atlantic division fourth. The two divisions first named together reported more than four-fifths of the total stocks of the country. Among the individual states, Illinois ranked first, Kansas second, Minnesota third, Missouri fourth, and Wisconsin fifth. The holdings reported for the eighteen most important states are represented in graphic form in Diagram 8.

The quantities reported as in transit are shown by geographic divisions and states in the last column of Table 12.

DIAGRAM 8.—STOCKS OF SALTED AND CURED PORK, OTHER THAN HAMS, BACON, AND SHOULDERS, REPORTED BY PACKERS, STORAGE HOUSES, AND WHOLESALE DEALERS, FOR THE EIGHTEEN MOST IMPORTANT STATES.



Comparative Figures for 1918 and 1917.

About 97 per cent of the returns, based on the quantity reported, gave information for July 1, 1917, as well as for July 1, 1918. Comparative figures based on these two-year reports are given by classes of firms in Table 10, and by geographic divisions and states in Table 13. These figures indicate that, with the single exception of the holdings of the meat and provision jobbers, the stocks on hand on the date of the Survey were decidedly larger than those held by the same concerns on July 1, 1917. The total stocks reported for July 1, 1918, were 50.2 per cent larger than those reported for July 1, 1917. As in the case of hams, bacon, and shoulders, the bulk of the absolute increase was in the stocks of the meat packers. The stocks reported for the two dates are shown graphically, for each of the classes of firms except the miscellaneous group, in Diagram 9.

Table 12.—Stocks of salted and cured pork, other than hams, bacon, and shoulders reported for July 1, 1918, by packers, storage houses, and wholesale dealers, by geographic divisions and states.

Geographic division and state.	Stocks reported as on hand July 1, 1918.								Quantity reported as in transit on July 1, 1918.
	Total.	Meat packers.	Warehouses.	Wholesale dealers.				Miscellaneous.	
				Total.	Meat and provision jobbers.	Wholesale grocers.	Other wholesale dealers.		
United States	*Pounds.* 297,883,994	*Pounds.* 242,074,651	*Pounds.* 33,567,546	*Pounds.* 21,656,869	*Pounds.* 7,607,653	*Pounds.* 13,388,583	*Pounds.* 660,633	*Pounds.* 584,928	*Pounds.* 7,194,141
Geographic divisions:									
New England	20,459,253	15,978,992	3,091,636	1,343,865	867,901	147,941	328,023	44,760	138,868
Middle Atlantic	12,478,533	10,485,434	1,182,842	677,043	416,519	132,937	127,587	133,214	84,741
East North Central	119,129,088	87,180,002	15,060,600	16,602,360	4,657,855	11,919,558	24,947	286,126	2,222,217
West North Central	122,484,144	108,164,587	14,149,367	62,547	44,839	11,023	6,685	107,643	3,813,470
South Atlantic	12,145,121	10,240,866	54,536	1,846,228	1,236,933	544,269	65,026	3,491	512,942
East South Central	2,250,096	1,610,162	23,825	614,712	70,952	475,072	68,688	1,397	180,448
West South Central	4,483,963	4,163,544	290	319,489	154,669	131,345	33,475	640	48,113
Mountain	3,198,276	3,133,564		64,642	37,686	21,954	5,002	70	181,570
Pacific	1,255,520	1,117,500	4,450	125,983	120,299	4,484	1,200	7,587	11,772
New England:									
Maine	668,089	400,402	77,845	177,422	91,553	85,194	675	12,420	26,776
New Hampshire	96,421	36,295		56,690	46,325	5,240	5,125	3,436	
Vermont	29,142	13,892		15,100	4,000	11,100		150	1,140
Massachusetts	16,274,212	12,758,676	2,596,612	894,477	615,773	32,629	246,075	24,447	3,202
Rhode Island	820,664	287,445	417,179	115,933	102,444	9,585	3,904	107	105,400
Connecticut	2,570,725	2,482,282		84,243	7,806	4,193	72,244	4,200	2,350
Middle Atlantic:									
New York	8,320,181	6,577,415	1,128,309	593,930	371,470	109,126	113,334	20,527	73,379
New Jersey	2,362,578	2,257,149	208	41,352	21,452	10,297	9,603	63,869	800
Pennsylvania	1,795,774	1,650,870	54,325	41,761	23,597	13,514	4,650	48,818	10,562
East North Central:									
Ohio	9,745,900	9,665,211		80,624	57,190	20,207	3,227	65	378,399
Indiana	4,880,955	4,297,952	509,700	6,653	5,078	1,575		66,650	94,265
Illinois	77,236,220	58,641,981	13,983,656	4,575,637	4,560,187	3,291	12,159	34,946	1,706,538
Michigan	2,381,891	2,118,501	67,200	60,521	34,235	21,185	5,101	135,669	42,690
Wisconsin	24,884,122	12,456,357	500,044	11,878,925	1,165	11,873,300	4,460	48,796	325
West North Central:									
Minnesota	29,199,191	22,358,061	6,819,865	21,165	12,220	2,625	6,320	100	741,133
Iowa	17,616,238	17,345,738	257,241	7,518	7,347	106	65	5,741	165,000
Missouri	25,451,064	21,062,846	4,371,093	17,025	8,808	8,217		100	1,031,140
North Dakota	5,203	3,789		1,364	1,364			50	300
South Dakota	1,997,190	1,996,586		604	604				254,390
Nebraska	16,638,173	13,931,144	2,701,168	861	561		300	5,000	350,972
Kansas	31,577,085	31,466,423		14,010	13,935	75		96,652	1,270,535
South Atlantic:									
Delaware	55,177	54,577		600		600			
Maryland	548,631	482,047		65,594	45,119	20,475		990	111,137
District of Columbia	55,236	32,404	14,474	8,358	7,758	600			101
Virginia	1,797,985	683,808		1,113,007	990,489	115,568	6,950	1,170	158,086
West Virginia	552,730	515,607		37,023	1,706	35,017	300	100	75,845
North Carolina	7,506,417	7,292,705		213,413	132,947	79,891	575	299	26,989
South Carolina	237,384	144,452		92,832	5,877	80,110	6,845	100	10,055
Georgia	1,070,424	751,210	37,611	281,403	49,695	200,594	31,114	200	124,189
Florida	321,137	284,056	2,451	33,998	3,342	11,414	19,242	632	6,539
East South Central:									
Kentucky	495,763	445,866		48,550	19,203	28,745	602	1,347	32,146
Tennessee	967,604	558,411	2,250	406,893	51,516	301,835	53,542	50	130,337
Alabama	576,770	455,225	21,575	99,970	233	85,193	14,544		16,745
Mississippi	209,959	150,660		59,299		59,299			1,220
West South Central:									
Arkansas	271,624	226,948		44,676	23,503	20,623	550		4,104
Louisiana	354,244	233,728		120,476	64,544	55,932		40	3,282
Oklahoma	2,344,398	2,343,998		400		400			2,041
Texas	1,513,697	1,358,870	290	153,937	66,622	54,390	32,925	600	38,686
Mountain:									
Montana	18,654	12,134		6,460	5,285	1,105	70	60	946
Idaho	4,213	4,063		150		150			600
Wyoming	18,574	18,264		310		310			
Colorado	1,842,823	1,820,181		22,642	22,342	100	200		174,884
New Mexico	13,646	497		13,149		13,119	30		
Arizona	25,382	9,054		16,318	7,219	5,508	3,591	10	3,040
Utah	1,268,244	1,262,631		5,613	2,840	1,662	1,111		1,600
Nevada	6,740	6,740							500
Pacific:									
Washington	164,649	150,823		13,801	13,801			25	1,305
Oregon	258,126	248,696	2,250	7,180	6,180		1,000		6,300
California	832,745	717,981	2,200	105,002	100,318	4,484	200	7,562	4,067

DIAGRAM 9.—STOCKS OF SALTED AND CURED PORK, OTHER THAN HAMS, BACON, AND SHOULDERS, REPORTED FOR JULY 1, 1918, AND JULY 1, 1917, BY IMPORTANT CLASSES OF BUSINESS.

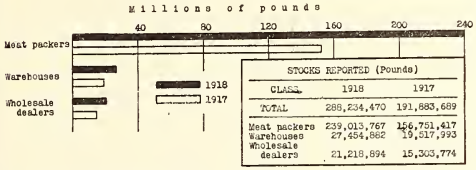


Table 13.—Comparative figures for salted and cured pork, other than hams, bacon, and shoulders—combined stocks of packers, storage houses, and wholesale dealers, by geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	Total stocks reported for July 1, 1918.	Total stocks reported for July 1, 1917.
	Pounds.	*Pounds.*
United States	**288,234,470**	**191,883,689**
GEOGRAPHIC DIVISIONS:		
New England	18,515,698	13,017,450
Middle Atlantic	11,336,962	8,050,067
East North Central	115,812,300	75,928,738
West North Central	119,948,255	79,176,087
South Atlantic	11,841,260	4,569,110
East South Central	2,051,529	1,651,860
West South Central	4,332,752	5,048,531
Mountain	3,174,378	2,670,013
Pacific	1,221,336	1,771,833
NEW ENGLAND:		
Maine	537,889	465,589
New Hampshire	92,971	72,614
Vermont	26,992	22,167
Massachusetts	15,111,036	10,917,309
Rhode Island	180,482	150,813
Connecticut	2,566,328	1,388,958
MIDDLE ATLANTIC:		
New York	7,280,207	4,689,833
New Jersey	2,325,490	1,539,374
Pennsylvania	1,731,265	1,820,860
EAST NORTH CENTRAL:		
Ohio	9,567,320	4,452,283
Indiana	4,108,792	5,613,846
Illinois	74,952,183	54,035,340
Michigan	2,308,824	1,319,470
Wisconsin	24,875,181	10,507,799
WEST NORTH CENTRAL:		
Minnesota	26,677,399	19,439,387
Iowa	17,615,216	11,138,093
Missouri	25,446,834	17,464,765
North Dakota	5,043	6,076
South Dakota	1,997,190	4,019,167
Nebraska	16,633,173	9,807,108
Kansas	31,573,400	17,301,491
SOUTH ATLANTIC:		
Delaware	45,238	71,880
Maryland	545,441	472,890
District of Columbia	51,114	28,303
Virginia	1,732,106	1,482,338
West Virginia	539,810	737,338
North Carolina	7,450,981	467,196
South Carolina	212,958	232,488
Georgia	947,397	789,210
Florida	316,215	287,467
EAST SOUTH CENTRAL:		
Kentucky	461,993	253,908
Tennessee	873,492	902,238
Alabama	520,400	349,182
Mississippi	195,644	146,532
WEST SOUTH CENTRAL:		
Arkansas	266,815	215,206
Louisiana	323,905	221,324
Oklahoma	2,342,898	3,995,455
Texas	1,399,134	616,546
MOUNTAIN:		
Montana	13,889	13,363
Idaho	4,213	6,797
Wyoming	16,950	16,000
Colorado	1,834,955	1,674,567
New Mexico	10,998	12,376
Arizona	20,847	14,754
Utah	1,266,144	914,767
Nevada	6,382	17,389
PACIFIC:		
Washington	158,436	67,878
Oregon	243,151	954,190
California	819,749	749,765

COMMERCIAL STOCKS OF DRIED FISH

NOT INCLUDING RETAIL STOCKS.

The commercial stocks of dried fish (dry-salted, smoked, etc.), together with the quantities in transit, as reported in the Food Survey of July 1, 1918, by all classes of business concerns except retail dealers, amounted to 31,998,434 pounds, of which quantity 31,595,741 pounds were in stock and 402,693 pounds in transit. Of the stocks on hand, the salt-fish packers held 62.2 per cent; the warehouses, 16.0 per cent; the wholesale dealers, 20.0 per cent; and a miscellaneous group of firms, 1.8 per cent. The stocks reported by these classes of firms are given in the first column of Table 14, and the quantities in transit in the last column of the same table. The relative quantities reported by the several classes are shown in graphic form in Diagram 10.

The number of reports received and tabulated for dried fish is shown, by classes of business, in Table 15.

Table 14.—Stocks of dried fish reported for July 1, 1918, by packers, storage houses, and wholesale dealers, with comparative figures for July 1, 1917—United States totals.

CLASS OF BUSINESS.	Total stocks reported as on hand July 1, 1918.	COMPARATIVE FIGURES—FROM FIRMS REPORTING FOR BOTH 1918 AND 1917.			Quantity reported as in transit on July 1, 1918.
		1918 stocks.		1917 stocks.	
		Quantity.	Per cent of 1917.		
	Pounds.	*Pounds.*		*Pounds.*	*Pounds.*
Total	**31,595,741**	**27,666,746**	**117.1**	**23,635,204**	**402,693**
Salt-fish packers	19,647,433	19,004,836	111.3	17,074,052	292,074
Warehouses	5,060,055	3,460,574	124.3	2,783,573	750
Wholesale dealers	6,321,901	4,815,382	143.1	3,366,088	106,617
Wholesale (fresh) fish dealers	*694,168*	*512,709*	*144.6*	*354,666*	*13,263*
Wholesale grocers	*3,744,472*	*2,628,085*	*119.1*	*2,207,458*	*76,809*
Other wholesale dealers	*1,883,261*	*1,674,588*	*208.3*	*803,964*	*16,545*
Miscellaneous	566,352	385,954	93.8	411,491	3,252

DIAGRAM 10.—DISTRIBUTION OF TOTAL STOCKS OF DRIED FISH REPORTED FOR JULY 1, 1918, BY PACKERS, STORAGE HOUSES, AND WHOLESALE DEALERS.

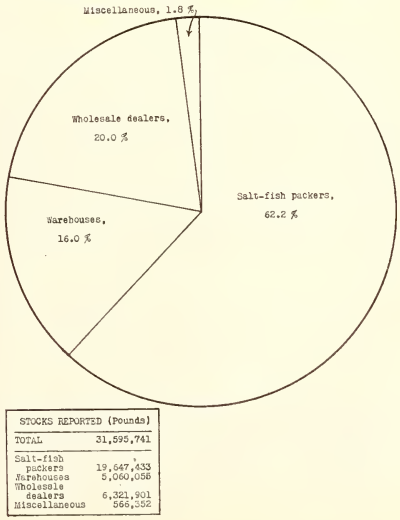


Table 15.—Number of firms (packers, storage houses, and wholesale dealers) reporting dried fish.

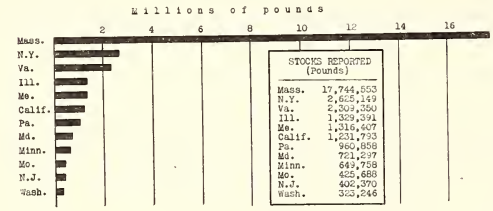
Class of business.	Total number of firms reporting.	Firms reporting for both 1918 and 1917.
Total	**1,861**	**1,454**
Salt-fish packers	104	82
Warehouses	78	45
Wholesale dealers	1,613	1,279
Wholesale (fresh) fish dealers	*75*	*58*
Wholesale grocers	*1,182*	*947*
Other wholesale dealers	*356*	*274*
Miscellaneous	66	48

Geographic Distribution of Stocks Reported.

The geographic distribution of the stocks of dried fish reported by the classes of concerns here considered is given in Table 16. These figures show that more than three-fifths of the stocks on hand, as reported in the Survey, were found in the states of the New England division, the Middle Atlantic division ranking second, and the South Atlantic division third. These three divisions together reported over 26,000,000 pounds, or more than four-fifths of the holdings reported for the entire country. Among the individual states, Massachusetts ranked first, with 17,744,553 pounds, or considerably more than one-half of the total reported for the country. New York ranked second, Virginia third, Illinois fourth, and Maine fifth. The stocks of this commodity reported for the eighteen most important states are represented in graphic form in Diagram 11.

The quantity reported as in transit is shown by geographic divisions and states in the last column of Table 16.

Diagram 11.—Stocks of Dried Fish Reported by Packers, Storage Houses, and Wholesale Dealers for the Twelve Most Important States.



Comparative Figures for 1918 and 1917.

More than seven-eighths of the returns for dried fish, based on the quantity reported, gave information for July 1, 1917, as well as for July 1, 1918. Comparative figures based on these two-year reports are given by classes of concerns in Table 14, and by geographic divisions and states in Table 16. These figures show a considerable increase for all classes of business concerns except the miscellaneous group. The total stocks of dried fish reported as on hand on the date of the Survey were 17.1 per cent larger than those held by the same firms one year earlier. The relative stocks on the two dates are shown in graphic form, for each class of concerns except the miscellaneous group, in Diagram 12.

Diagram 12.—Stocks of Dried Fish Reported for July 1, 1918, and July 1, 1917, by Important Classes of Business.

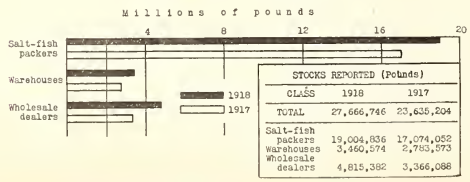


Table 16.—Stocks of dried fish reported for July 1, 1918, by packers, storage houses, and wholesale dealers, with comparative figures for July 1, 1917, by geographic divisions and states.

Geographic division and state.	Total stocks reported as on hand July 1, 1918.	Comparative figures—from firms reporting for both 1918 and 1917.		Quantity reported as in transit on July 1, 1918.
		1918 stocks	1917 stocks.	
	Pounds.	*Pounds.*	*Pounds.*	*Pounds.*
United States	**31,595,741**	**27,666,746**	**23,635,204**	**402,693**
Geographic divisions:				
New England	19,257,485	18,276,158	16,284,740	164,942
Middle Atlantic	3,988,377	3,608,557	2,792,686	15,866
East North Central	1,823,870	1,167,509	899,937	10,417
West North Central	1,375,950	1,261,024	827,318	5,890
South Atlantic	3,170,525	1,698,100	1,534,695	45,355
East South Central	52,641	29,599	20,981	5,291
West South Central	234,030	221,682	58,739	1,545
Mountain	112,253	101,327	106,849	594
Pacific	1,580,610	1,302,790	1,109,259	152,793
New England:				
Maine	1,316,407	1,171,908	1,115,460	39,820
New Hampshire	14,942	13,444	13,010	----------
Vermont	10,042	8,374	7,674	188
Massachusetts	17,744,553	16,990,956	15,078,914	124,470
Rhode Island	105,794	35,250	25,019	260
Connecticut	65,747	56,226	44,663	204
Middle Atlantic:				
New York	2,625,149	2,371,099	1,522,063	11,825
New Jersey	402,370	389,061	235,681	3,252
Pennsylvania	960,858	848,397	1,034,942	789
East North Central:				
Ohio	185,328	162,050	117,554	1,209
Indiana	9,277	6,450	6,595	----------
Illinois	1,329,391	835,669	630,105	5,543
Michigan	80,154	76,162	81,657	2,050
Wisconsin	219,720	87,178	64,026	1,615
West North Central:				
Minnesota	649,758	559,513	318,950	1,860
Iowa	76,459	65,620	48,666	1,700
Missouri	425,688	417,422	299,918	1,395
North Dakota	2,907	714	1,932	85
South Dakota	1,648	1,128	2,222	----------
Nebraska	214,816	212,705	151,201	710
Kansas	4,674	3,922	4,429	140
South Atlantic:				
Delaware	1,350	1,050	650	----------
Maryland	721,297	311,243	341,510	38,975
District of Columbia	57,990	56,110	60,503	----------
Virginia	2,309,350	1,265,940	1,084,177	6,320
West Virginia	8,175	1,180	932	----------
North Carolina	27,176	25,025	11,050	60
South Carolina	10,108	6,893	17,192	----------
Georgia	23,455	20,193	13,442	----------
Florida	11,624	10,466	5,239	----------
East South Central:				
Kentucky	5,176	785	1,040	----------
Tennessee	3,023	1,230	400	----------
Alabama	28,762	27,200	19,136	5,291
Mississippi	15,680	384	405	----------
West South Central:				
Arkansas	24,238	20,418	16,356	500
Louisiana	173,863	171,827	35,337	----------
Oklahoma	4,382	3,135	1,553	----------
Texas	31,547	26,302	5,493	1,045
Mountain:				
Montana	10,874	6,149	3,639	----------
Idaho	7,889	7,889	4,405	200
Wyoming	1,543	1,310	747	----------
Colorado	68,601	64,148	39,309	244
New Mexico	719	334	280	----------
Arizona	4,675	3,545	3,314	50
Utah	10,759	10,759	52,236	80
Nevada	7,193	7,193	2,919	20
Pacific:				
Washington	323,246	210,371	165,558	15,134
Oregon	25,571	24,301	50,461	385
California	1,231,793	1,068,118	893,240	137,274

COMMERCIAL STOCKS OF FISH IN BRINE

NOT INCLUDING RETAIL STOCKS.

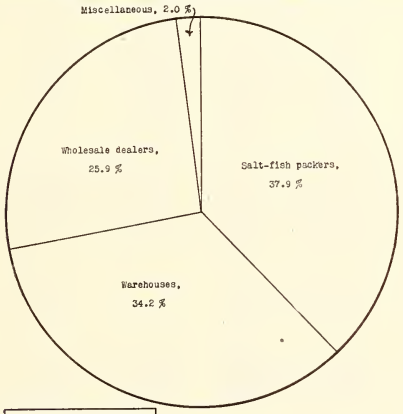
The commercial stocks of fish in brine, together with the quantities in transit, as reported in the Food Survey of July 1, 1918, by business concerns other than retail dealers, amounted to 52,873,432 pounds, comprising 51,948,234 pounds in stock and 925,198 pounds in transit. Of the stocks on hand, the salt-fish packers held 37.9 per cent; the warehouses, 34.2 per cent; the wholesale dealers, 25.9 per cent; and a miscellaneous group, 2.0 per cent. The stocks reported as on hand by the several classes of business are shown in the first column of Table 17, and the quantities reported as in transit in the last column. The relative stocks held by the different classes are shown graphically in Diagram 13.

The number of schedules received and tabulated for fish in brine is shown, by classes of business, in Table 18.

Table 17.—Stocks of fish in brine reported for July 1, 1918. by packers, storage houses, and wholesale dealers, with comparative figures for July 1, 1917—United States totals.

CLASS OF BUSINESS.	Total stocks reported as on hand July 1, 1918.	COMPARATIVE FIGURES—FROM FIRMS REPORTING FOR BOTH 1918 AND 1917.			Quantity reported as in transit on July 1, 1918.
		1918 stocks.		1917 stocks.	
		Quantity.	Per cent of 1917.		
	Pounds.	*Pounds.*		*Pounds.*	*Pounds.*
Total	**51,948,234**	**42,845,491**	**131.4**	**32,617,119**	**925,198**
Salt-fish packers	19,708,864	18,104,866	114.4	15,822,551	663,702
Warehouses	17,789,894	12,092,528	191.3	6,320,490	34,916
Wholesale dealers	13,438,995	11,985,464	119.4	10,038,222	166,580
Wholesale (fresh) fish dealers	*2,127,951*	*1,920,417*	*135.6*	*1,416,504*	*14,921*
Wholesale grocers	*7,430,059*	*6,567,130*	*125.9*	*5,217,955*	*116,166*
Other wholesale dealers	*3,880,985*	*3,497,917*	*102.8*	*3,403,763*	*35,493*
Miscellaneous	1,010,481	662,633	152.9	435,856	60,000
Canners	*853,474*	*508,344*	*215.6*	*235,792*	*60,000*
Other miscellaneous	*157,007*	*154,289*	*77.1*	*200,064*	---------

DIAGRAM 13.—DISTRIBUTION OF TOTAL STOCKS OF FISH IN BRINE REPORTED FOR JULY 1, 1918, BY PACKERS, STORAGE HOUSES, AND WHOLESALE DEALERS.



STOCKS REPORTED (Pounds)	
TOTAL	51,948,234
Salt-fish packers	19,708,864
Warehouses	17,789,894
Wholesale dealers	13,438,995
Miscellaneous	1,010,481

Table 18.—Number of firms (packers, storage houses, and wholesale dealers) reporting fish in brine.

CLASS OF BUSINESS.	Total number of firms reporting.	Firms reporting for both 1918 and 1917.
Total	**2,172**	**1,678**
Salt-fish packers	129	111
Warehouses	80	48
Wholesale dealers	1,889	1,472
Wholesale (fresh) fish dealers	*85*	*65*
Wholesale grocers	*1,422*	*1,123*
Other wholesale dealers	*382*	*284*
Miscellaneous	74	47
Canners	*12*	*8*
Other miscellaneous	*62*	*39*

Geographic Distribution of Stocks Reported.

The stocks reported from each geographic division and state are given, by classes of business concerns, in Table 20. The Middle Atlantic division ranked first in stocks of this commodity reported, the New England division second, and the East North Central division third. These three divisions together reported more than 37,000,000 pounds, or about 72 per cent of the stocks reported for the entire country. Among the individual states, New York stood first, Massachusetts second, and Illinois third. The stocks reported for the eighteen most important states by the classes of concerns here considered are shown in graphic form in Diagram 14.

The quantities of fish in brine reported as in transit are shown by

DIAGRAM 14.—STOCKS OF FISH IN BRINE REPORTED BY PACKERS, STORAGE HOUSES, AND WHOLESALE DEALERS FOR THE EIGHTEEN MOST IMPORTANT STATES.

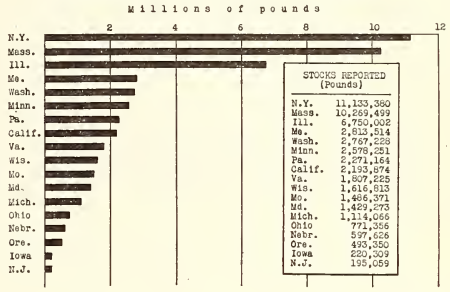


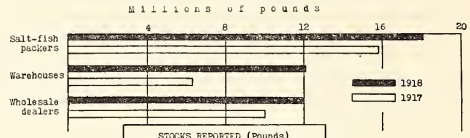
Table 19.—Comparative figures for fish in brine—combined stocks of packers, storage houses, and wholesale dealers, by geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	Total stocks reported for July 1, 1918.	Total stocks reported for July 1, 1917.
	Pounds.	*Pounds.*
United States	**42,845,491**	**32,617,119**
GEOGRAPHIC DIVISIONS:		
New England	10,208,597	8,013,337
Middle Atlantic	11,545,602	8,788,776
East North Central	8,610,099	7,177,525
West North Central	4,737,826	2,775,526
South Atlantic	2,637,467	1,931,157
East South Central	101,948	62,635
West South Central	112,943	19,062
Mountain	100,804	81,178
Pacific	4,790,205	3,767,923
NEW ENGLAND:		
Maine	2,029,524	2,063,477
New Hampshire	60,210	89,250
Vermont	81,354	36,720
Massachusetts	8,001,484	5,794,049
Rhode Island	4,656	3,491
Connecticut	31,369	26,350
MIDDLE ATLANTIC:		
New York	9,652,019	7,114,759
New Jersey	47,828	102,278
Pennsylvania	1,845,755	1,571,739
EAST NORTH CENTRAL:		
Ohio	683,299	498,889
Indiana	45,383	129,781
Illinois	5,442,106	5,695,838
Michigan	1,022,983	210,659
Wisconsin	1,416,328	642,358
WEST NORTH CENTRAL:		
Minnesota	2,539,118	1,549,101
Iowa	205,505	117,876
Missouri	1,416,023	920,411
North Dakota	3,332	12,758
South Dakota	1,310	2,720
Nebraska	552,272	162,373
Kansas	20,266	10,287
SOUTH ATLANTIC:		
Delaware	7,650	9,300
Maryland	1,405,028	775,440
District of Columbia	37,029	42,740
Virginia	840,571	931,351
West Virginia	90,483	31,526
North Carolina	126,581	82,398
South Carolina	13,015	5,877
Georgia	102,063	47,732
Florida	15,047	4,793
EAST SOUTH CENTRAL:		
Kentucky	30,519	18,076
Tennessee	33,304	15,105
Alabama	36,705	28,308
Mississippi	1,420	1,146
WEST SOUTH CENTRAL:		
Arkansas	3,185	1,975
Louisiana	5,916	2,912
Oklahoma	4,753	1,580
Texas	99,089	12,595
MOUNTAIN:		
Montana	10,451	8,840
Idaho	10,254	8,610
Wyoming	1,025	850
Colorado	69,882	53,947
New Mexico	265	180
Arizona	4,325	3,210
Utah	2,297	3,961
Nevada	2,305	1,580
PACIFIC:		
Washington	2,452,229	1,601,719
Oregon	269,030	385,515
California	2,068,946	1,780,689

Comparative Figures for 1918 and 1917.

More than four-fifths of the returns, based on the quantity reported, gave information for July 1, 1917, as well as for July 1, 1918. Comparative figures based on these two-year reports are given by classes of business in Table 17, and by geographic divisions and states in Table 19. These figures indicate that all of the important classes of business reported materially larger holdings for July 1, 1918, than for July 1, 1917, the warehouses reporting stocks 91.3 per cent larger, the wholesale dealers showing an increase of 19.4 per cent, and the salt-fish packers an increase of 14.4 per cent. The total stocks reported for the date of the Survey were 31.4 per cent larger than those held by the same firms one year earlier. The relative stocks on hand on the two dates are represented in graphic form, for each class of concerns except the miscellaneous group, in Diagram 15.

DIAGRAM 15.—STOCKS OF FISH IN BRINE REPORTED FOR JULY 1, 1918, AND JULY 1, 1917, BY IMPORTANT CLASSES OF BUSINESS.



STOCKS REPORTED (Pounds)		
CLASS	1918	1917
TOTAL	42,845,491	32,617,119
Salt-fish packers	18,104,866	15,822,551
Warehouses	12,092,528	6,320,490
Wholesale dealers	11,985,464	10,038,222

Table 20.—Stocks of fish in brine reported for July 1, 1918, by packers, storage houses, and wholesale dealers, by geographic divisions and states.

GEOGRAPHIC DIVISION AND STATE.	STOCKS REPORTED AS ON HAND JULY 1, 1918.								Quantity reported as in transit on July 1, 1918.
	TOTAL.	Salt-fish packers.	Warehouses.	Wholesale dealers.				Miscellaneous.	
				Total.	Wholesale (fresh) fish dealers.	Wholesale grocers.	Other wholesale dealers.		
	Pounds.	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*	*Pounds.*
United States	**51,948,234**	**19,708,864**	**17,789,894**	**13,438,995**	**2,127,951**	**7,430,059**	**3,880,985**	**1,010,481**	**925,198**
GEOGRAPHIC DIVISIONS:									
New England	13,368,026	9,877,612	1,877,564	1,401,065	990,770	261,819	148,476	211,785	279,334
Middle Atlantic	13,599,603	2,407,787	8,017,362	3,024,713	67,946	1,255,441	1,701,326	149,741	83,011
East North Central	10,317,536	3,172,493	3,667,581	3,474,630	704,711	2,125,872	644,047	2,832	106,486
West North Central	5,031,375	1,440,420	950,500	2,640,155	176,857	1,778,297	685,001	300	103,827
South Atlantic	3,810,485	127,145	1,617,850	1,902,315	8,300	1,485,043	408,972	163,175	21,355
East South Central	114,772	5,648	----------	108,404	4,781	89,393	14,230	720	240
West South Central	125,170	75	3,200	121,894	2,100	20,253	99,541	1	6,165
Mountain	126,815	9,728	250	116,712	32,968	55,673	28,071	125	55
Pacific	5,454,452	2,667,956	1,655,587	649,107	139,518	358,268	151,321	481,802	324,725
NEW ENGLAND:									
Maine	2,813,514	1,727,264	129,700	886,450	882,910	1,640	1,900	70,100	59,034
New Hampshire	63,095	300	----------	61,495	500	60,200	795	1,300	600
Vermont	135,014	----------	----------	134,954	----------	106,029	28,925	60	1,800
Massachusetts	10,269,499	8,150,048	1,706,735	272,666	107,360	60,762	104,544	140,050	217,400
Rhode Island	51,415	----------	41,129	10,286	----------	5,054	5,232	----------	----------
Connecticut	35,489	----------	----------	35,214	----------	28,134	7,080	275	500
MIDDLE ATLANTIC:									
New York	11,133,380	1,728,062	7,071,407	2,186,270	63,319	782,023	1,340,928	147,641	62,065
New Jersey	195,059	17,995	140,240	35,944	1,200	22,165	12,579	880	----------
Pennsylvania	2,271,164	661,730	805,715	802,499	3,427	451,253	347,819	1,220	20,946
EAST NORTH CENTRAL:									
Ohio	771,356	342,736	233,225	195,235	21,405	167,385	6,445	160	13,136
Indiana	65,299	----------	680	64,619	4,355	56,509	3,755	----------	300
Illinois	6,750,002	2,113,882	2,843,686	1,792,324	41,650	1,236,508	514,166	110	58,380
Michigan	1,114,066	586,320	34,200	493,416	287,629	95,424	110,363	130	720
Wisconsin	1,616,813	129,555	555,790	929,036	349,672	570,046	9,318	2,432	33,950
WEST NORTH CENTRAL:									
Minnesota	2,578,251	421,450	832,980	1,323,671	106,217	1,178,329	39,125	150	96,726
Iowa	220,309	----------	----------	220,159	33,125	163,059	23,975	150	2,105
Missouri	1,486,371	933,195	86,620	466,556	36,545	133,491	296,520	----------	2,688
North Dakota	123,292	----------	----------	123,292	970	39,730	82,592	----------	388
South Dakota	4,910	----------	----------	4,910	----------	4,140	770	----------	----------
Nebraska	597,626	85,775	30,900	480,951	----------	257,984	222,967	----------	1,866
Kansas	20,616	----------	----------	20,616	----------	1,564	19,052	----------	54
SOUTH ATLANTIC:									
Delaware	8,178	4,000	----------	4,178	----------	4,178	----------	----------	390
Maryland	1,429,273	111,645	729,000	425,553	----------	240,353	185,200	163,075	3,900
District of Columbia	84,769	3,000	----------	81,769	2,000	79,469	300	----------	----------
Virginia	1,807,225	8,000	888,850	910,275	----------	778,059	132,216	100	12,390
West Virginia	152,316	----------	----------	152,316	----------	110,705	41,611	----------	760
North Carolina	144,453	----------	----------	144,453	----------	126,957	17,496	----------	38
South Carolina	30,220	----------	----------	30,220	----------	29,620	600	----------	120
Georgia	127,987	----------	----------	127,987	----------	107,170	20,817	----------	3,757
Florida	26,064	500	----------	25,564	6,300	8,532	10,732	----------	----------
EAST SOUTH CENTRAL:									
Kentucky	33,249	5,648	----------	27,181	----------	25,971	1,210	420	90
Tennessee	38,217	----------	----------	37,917	4,781	27,836	5,300	300	150
Alabama	41,886	----------	----------	41,886	----------	35,486	6,400	----------	----------
Mississippi	1,420	----------	----------	1,420	----------	100	1,320	----------	----------
WEST SOUTH CENTRAL:									
Arkansas	4,935	----------	----------	4,935	1,500	2,945	490	----------	----------
Louisiana	7,476	75	----------	7,401	----------	1,760	5,641	----------	----------
Oklahoma	6,236	----------	----------	6,235	300	4,725	1,210	1	25
Texas	106,523	----------	3,200	103,323	300	10,823	92,200	----------	6,140
MOUNTAIN:									
Montana	12,066	----------	----------	11,941	----------	7,438	4,503	125	----------
Idaho	10,704	----------	250	10,454	----------	9,891	563	----------	----------
Wyoming	1,910	----------	----------	1,910	----------	1,910	----------	----------	----------
Colorado	92,310	9,728	----------	82,582	32,368	30,890	19,324	----------	30
New Mexico	455	----------	----------	455	----------	455	----------	----------	----------
Arizona	4,325	----------	----------	4,325	350	2,442	1,533	----------	----------
Utah	2,315	----------	----------	2,315	250	2,002	63	----------	25
Nevada	2,730	----------	----------	2,730	----------	645	2,085	----------	----------
PACIFIC:									
Washington	2,767,228	1,262,871	1,225,742	166,235	33,220	132,295	720	112,380	269,840
Oregon	493,350	244,720	----------	33,900	15,075	11,170	7,655	214,730	25,680
California	2,193,874	1,160,365	429,845	448,972	91,223	214,803	142,946	154,692	29,205